

Science Toolkit: Grade 8 Objective 2.B.1.b

Student Handout: Science: Grade 8 Objective 2.B.1.b

Standard 2.0 Earth/Space Science

Topic B. Earth History

Indicator 1. Explain how sedimentary rock is formed periodically, embedding plant and animal remains and leaving a record of the sequence in which the plants and animals appeared and disappeared.

Objective b. Cite evidence to confirm that thousands of layers of sedimentary rock reveal the long history of the changing surface of the Earth.

Selected Response (SR) Item

Question

Use the information below to answer the following:

There are many snow-capped mountains around the world.



The elevation of this mountain is nearly 3,048 meters. The summer climate in the area is generally cool and rainy. Summer temperatures reach 21°C. During many months of the year, the day and night temperatures vary significantly. The weather changes quickly. Approximately 300 centimeters of snow usually covers the ground from November until May.

While studying mountain geology, a scientist uncovered many marine fossils.

The presence of marine fossils on the mountain supports the conclusion that the mountain area was once

- A. flooded
- B. a volcano
- C. part of a grassland
- D. covered by an ocean

Correct Answer

D. covered by an ocean

Question

Use the information below to answer the following:

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